REMARKS

In response to the Notice of Non-Compliant Amendment, Applicant has corrected the

status identifiers as necessary. All claims identified as previously added or previously amended

have been amended to read previously presented. No new matter has been added.

Claims 1-2, 4-14 and 16-20 are pending in the present application. Claims 1, 2, 4-6,

11, 17 and 20 have been amended. Claims 3 and 15 have been cancelled without prejudice.

Claims 1, 2, 5, 6 and 11 were rejected under 35 USC §102(b) as being anticipated by

US Patent No. 5,775,158 (*Hensley*).

Claims 1-6 and 11-13 and 20 were rejected under 35 USC §103(a) as being

unpatentable over Hensley in view of US Patent No. 5,768,935 (Owens).

Claims 7-10 and 14-19 were rejected under 35 USC §103(a) as being unpatentable over

Hensley and Owens in further view of US Patent No. 4,637,242 (Undin).

Applicant's attorney, Catherine Gemrich, conducted a telephonic interview with Examiner

Koch on September 2, 2003. Claims 1-20 were discussed generally as was the prior art relied

upon by the Examiner in the Final Office Action dated June 3, 2003. Specifically, the

relationship of the cutting edge and the projections in Hensley, and the crimping versus cutting

issue of Hensley were discussed. Applicant also confirmed that the Examiner was not relying

on Pfaff in this Office Action.

Claim 1 is directed to an appliance for a mechanical sealing of hollow hoses and elastic

material with sealing means which is made of a plastically deformable material. The appliance

of claim 1 has numerous limitations including the limitations of "at least one straight bar having

a projecting end which projects toward the other jaw", that the bar makes an indentation in the

sleeve, and a cutting edge which "projects to a greater extent than the projecting end of said at

least one bar". Hensley does not teach or suggest an appliance with all the limitations in claim

1.

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First, the appliance of claim 1 has numerous limitations including that at least one of the jaws has at least "one straight bar" having a projecting end which projects toward the other jaw. There is no such straight bar taught or suggested by Hensley. The Examiner asserts that elements 26-28 of Hensley are equivalent to the straight bar of the present invention. A close examination of, for example Figure 10 of Hensley, discloses that Figures 26 and 28 are end plates each with a U-shape open aperture sized to the diameter of the cable or rod being cut. The end plates in Hensley are curved - not straight. The end plates of Hensley do not make indentations on the wire or rod. Rather, they surround the wire and rod and protect against deformation. Thus, there is no teaching or suggestion in Hensley for at least one of the jaws to have at least one straight bar which projects toward the other jaw which when the jaws are moving toward each other makes an indentation in the sleeve and the hose. In fact, Hensley teaches away from such a device as the plates in Hensley have apertures that surround the cable. See, e.g. Hensley at column 3, lines 18-25 and Figure 10. The purpose of the end plates is to support the cable while it is being cut and to prevent deformation or spreading of the cable. See, e.g. Hensley at column 3, lines 26-52. Preventing deformation is the opposite of crimping, which is in fact plastic deformation.

Second, even if the end plates in Hensley could be equated with the straight bar having a projecting end. The cutting means in Hensley does not project further than the projecting end of the end plates. See, e.g. Figures 2 and 10.

Third, claim 1 contains the additional limitation that the device has a cutting means which projects towards the other jaw in which when the jaws are moving toward each other makes a cutting indication the sleeve and hose. *Hensley* does not teach or suggest a device with all the limitations of claim 1 including a cutting means which makes a cutting indication. In *Hensley*, the ram assembly forces the movable jaw toward the stationary jaw so that the cable or rod placed between the die structures will be fractured. Rather than putting a cutting

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indication on the hose and on the sleeve, the entire cable or bar is fractured. See, e.g. Hensley

at column 2, lines 63-67.

Fourth, the present appliance crimps the hose and the sealing means. Hensley does not

teach or suggest crimping, let alone any manner of crimping. There is no crimping taught or

suggested in Hensley. Hensley only teaches a method of cutting high tencel strength cable and

steel rods. Hensley teaches away from crimping. The end plates prevent deformation, i.e. they

prevent crimping. Hensley is a cutting die which can be placed into a crimping tool instead of a

crimping die. The cutting die cuts the work piece. It does not crimp the work piece. The work

piece is severed before the cutting surfaces meet. See, e.g. Hensley at column 1, lines 39-41.

Accordingly, Hensley does not have any structures for crimping and does not teach or suggest

any such structures. For the reasons discussed above, Hensley does not teach or suggest all

the limitations in claim 1. Thus, claim 1 as well as claims 2-18 which depend therefrom are

patentable.

Claim 2 has all the limitations of claim 1. For the reasons discussed above, claim 2 is

patentable. Further, claim 2 contains the additional limitation that the device has at least two

straight bars. Hensley does not disclose two straight bars for crimping. Elements 26 and 27

which the Examiner contends are straight bars are instead of curved end plates. As discussed

above, the end plates cannot be equated with bars. The end plates have apertures for

receiving the wire or rou to prevent deformation. There is no crimping by the end plates. See,

e.g. Hensley at Figure 10 and column 3, lines 18-25. Hensley does not teach or suggest a

device with all the limitations of claim 2. Thus, claim 2 and claims 11, 14 and 17-19 which

depend therefrom are patentable.

Claim 11 contains all the limitations of claim 1. Thus, for the reasons discussed above

11 is patentable. Further, claim 11 includes additional limitations including the limitation that

the cutting means forms a substantially straight cutting edge which projects to a greater extent

than the projecting ends of bars. First, as discussed above there are no straight bars taught or

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suggested by *Hensley* and the end plates of *Hensley* cannot be equated with the straight bars of the present invention. Second, even if the end plates could be equated with the bars, the cutting edge disclosed in *Hensley* does not project further than the projecting end bars. As can be seen clearly in Figures 2 and 10, the projecting ends of end plates project further than the cutting edge. Accordingly, claim 11 is patentable.

The Examiner asserts that claims 1-6 and 11-13 are unpatentable over *Hensley* in view of *Owens*. As discussed above, *Hensley* does not teach or suggest all the limitations of claim 1 or claims 2-19 which depend therefrom. *Owens* does not make up the deficiencies in *Hensley*.

There must be some motivation, teaching or suggestion to combine references. Here there is no motivation or suggestion to combine the crimping tool in *Owens* with the die of *Hensley*. *Hensley* is a cutting die which replaces the standard die of a crimping tool. The cutting die fractures a cable or wire. Conversely, *Owens* is a crimping tool for connecting two pieces of tube. One would not combine *Owens* with *Hensley* to make a crimping and cutting tool and to do so would render both *Owens* and *Hensley* unsuitable for their intended purposes. Specifically, the cutting tool is the opposite of a crimping device for joining. Including a cutting means in *Owens* would render it unsuitable for its intended purpose – joining tubes. The cutting means would cause the two tubes to become separated or unjoined. Further, in *Hensley* the die of a crimping tool is replaced with the *Hensley* cutting die structure, the end plates, to prevent crimping. Combining *Owens* with *Hensley* would cause rather than prevent crimping or deformation. Accordingly, one skilled in the art one would not combine *Owens* with *Hensley*. Thus, claims 1-20 are patentable.

As discussed in detail above, *Hensley* does not teach or suggest a tool with all the limitations of claim 1. *Hensley* does not teach or suggest a tool that has a sealing means in the form of a sleeve where at least one of the jaws has a bar which projects toward the other jaw and which makes indication in the sleeve, nor does *Hensley* teach or suggest a device where the cutting means makes the cutting indication in the sleeve and hose. *Owens* does not make

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up the deficiencies in Hensley. In particular, Owens teaches away from a cutting means as

Owens is a crimping means for joining a piece of hose and a piece of tube, not separating a

hose. Thus, Owens teaches away from the present invention. Accordingly, claim 1 is

patentable as are claims 2-19 which depend therefrom.

Independent claim 20 has numerous limitations including "at least one straight bar

having a projecting end which projects toward the other jaw" and a cutting edge " which

projects to a greater extent than the projecting end of said at least one bar." Hensley, alone or

in combination with Owens, does not teach or suggest an appliance for mechanical sealing of

hollow hoses and elastic material with sealing means which is made of plastically deformable

material with all the limitations of claim 20. As discussed in detail above with respect to claim

1, Hensley does not teach or suggest at least one straight bar having a projecting end where

the cutting edge projects to a greater extent than the projecting end. Hensley does not teach

or suggest an appliance including a cutting means which makes a cutting indication. Hensley,

teaches away from crimping. Owens does not make up the deficiencies in Hensley. Thus, claim

20 is patentable.

The Examiner asserts that claims 7-10 and 14-17 are unpatentable over Hensley and

Owens in view of Undin. As discussed above, one skilled in the art one would not combine

Hensley and Owens. There must be some teaching or suggestion to combine the prior art

references. One skilled in the art would not combine Undin with Hensley and Owens as Undin is

a crimping means for crimping two pieces of wire together. Combining Hensley with Owens

and/or Undin would render all devices unsuitable for their intended purposes. It is essential in

Undin that the two elements being crimped together are in contact to establish a good electrical

as well as mechanical connection. See, e.g. Undin at column 1, lines 23-25. Thus, one skilled

in the art would not combine a crimping tool where it is essential to establish a good electrical

and mechanical connection with a tool which severs the elements. Combining the Hensley

cutting with Undin would render Undin unsuitable for its intended purpose. Combining Undin

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with Hensley would cause deformation, i.e. crimping, rather than prevent it. Accordingly, one

skilled in the art would not combine Hensley with, Owens and/or Undin. Thus, claims 7-10 and

14-17 are patentable.

As discussed above, Hensley and Owens alone or in combination do not teach or suggest

all the limitations of claim 1. Claims 7-10 and 14-17 all depend from claim 1 and thus contain

all the limitations of claim 1. Undin does not make up the deficiencies of Hensley and Owens.

The inventive appliance includes a cutting means which projects toward the other jaw and

makes a cutting indication in the sleeve. Undin does not teach or suggest an invention which

makes a cutting indication. Undin teaches away from any cutting or cutting indication as good

contact is essential. Further, none of the prior art of record teaches or suggests crimping by

using at least one bar which projects toward the other jaw. Thus, claims 7-10 and 14-17 are

patentable.

CONCLUSION

Applicant asserts that all of the objections have been obviated and, therefore now respectfully requests withdrawal of the objections, and allowance of the application.

Respectfully submitted,

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I hereby certify that this correspondence is being deposited with the United States Post Office as First Class Mail addressed to: Commissioner of Patents and Trademarks, Alexandria, VA 22313-1450, on January 16, 2004.

Christy Stein